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(FILE 'HOME' ENTERED AT 15:01:25 ON 29 JUL 2004)

FILE 'REGISTRY' ENTERED AT 15:01:48 ON 29 JUL 2004

L1 1 S 83-88-5/RN
L2 1 S 53-57-6/RN

FILE 'HCAPLUS' ENTERED AT 15:02:12 ON 29 JUL 2004

FILE 'REGISTRY' ENTERED AT 15:02:20 ON 29 JUL 2004

SET SMARTSELECT ON
L3 SEL L1 1- CHEM : 38 TERMS
SET SMARTSELECT OFF

FILE 'HCAPLUS' ENTERED AT 15:02:20 ON 29 JUL 2004

L4 25759 S L3

FILE 'REGISTRY' ENTERED AT 15:02:25 ON 29 JUL 2004

SET SMARTSELECT ON
L5 SEL L2 1- CHEM : 19 TERMS
SET SMARTSELECT OFF

FILE 'HCAPLUS' ENTERED AT 15:02:26 ON 29 JUL 2004

L6 40331 S L5
L7 232 S L6 (L) L4
L8 1 S L7 (L) PREP/RL
L9 214 S L7 AND PD<19990809
L10 16 S L7 (L) (GENET? OR ENGINEER? OR MUTAT? OR MODIF? OR OVEREXPRES
L11 15 S L10 AND PD<19990809

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(FILE 'HOME' ENTERED AT 15:27:32 ON 29 JUL 2004)

L1 FILE 'REGISTRY' ENTERED AT 15:28:09 ON 29 JUL 2004
1 S RIBOFLAVIN/CN

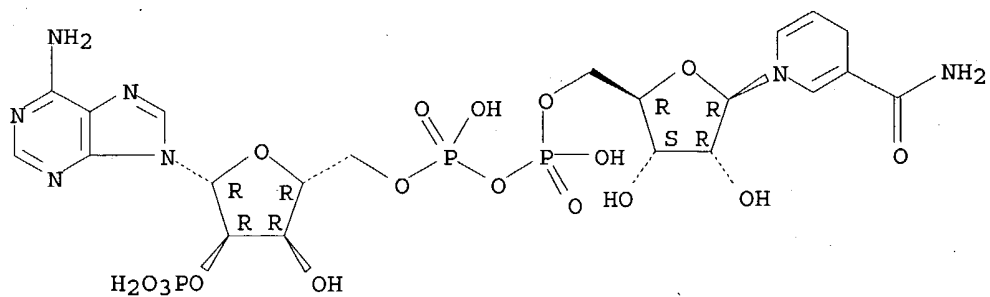
FILE 'HCAPLUS' ENTERED AT 15:28:45 ON 29 JUL 2004

L2 FILE 'REGISTRY' ENTERED AT 15:28:48 ON 29 JUL 2004
SET SMARTSELECT ON
SEL L1 1- CHEM : 38 TERMS
SET SMARTSELECT OFF

L3 FILE 'HCAPLUS' ENTERED AT 15:28:48 ON 29 JUL 2004
25759 S L2
L4 734 S L3 (L) PREP/RL
L5 34 S L4 (L) (ASHBYA GOSSYPII)
L6 24 S L5 AND PD<19990809

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 53-57-6 REGISTRY
 CN Adenosine 5'-(trihydrogen diphosphate), 2'-(dihydrogen phosphate),
 P'→5'-ester with 1,4-dihydro-1-β-D-ribofuranosyl-3-
 pyridinecarboxamide (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Adenosine, 2'-(dihydrogen phosphate) 5'-(trihydrogen pyrophosphate),
 5'→5'-ester with 1,4-dihydro-1-β-D-ribofuranosylnicotinamide
 (8CI)
 OTHER NAMES:
 CN β-NADPH
 CN β-Nicotinamide-adenine-dinucleotide-phosphoric acid
 CN β-TPNH
 CN Codehydrase II, reduced
 CN Codehydrogenase II, reduced
 CN Coenzyme II, reduced
 CN Cozymase II, reduced
 CN Dihydrocodehydrogenase II
 CN **NADPH**
 CN NADPH2
 CN Nicotinamide-adenine dinucleotide phosphate, reduced
 CN Reduced codehydrogenase II
 CN Reduced nicotinamide adenine dinucleotide phosphate
 CN Reduced triphosphopyridine nucleotide
 CN TPNH
 CN Triphosphopyridine nucleotide, reduced
 FS STEREOSEARCH
 DR 22046-90-8, 3545-01-5
 MF C21 H30 N7 O17 P3
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST,
 CIN, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MRCK*,
 NIOSHTIC, PROMT, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent;
 Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
 study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP
 (Properties); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
 study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10594 REFERENCES IN FILE CA (1907 TO DATE)

208 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

10612 REFERENCES IN FILE CAPLUS (1907 TO DATE)

57 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s riboflavin/cn
L1 1 RIBOFLAVIN/CN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 83-88-5 REGISTRY

CN Riboflavin (8CI, 9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzo[g]pteridine, riboflavin deriv.

CN Riboflavine (7CI)

OTHER NAMES:

CN (-)-Riboflavin

CN 1-Deoxy-1-(3,4-dihydro-7,8-dimethyl-2,4-dioxobenzo[g]pteridin-10(2H)-yl)-D-ribose

CN 6,7-Dimethyl-9-D-ribitylisoalloxazine

CN 6,7-Dimethyl-9-ribitylisoalloxazine

CN Beflavin

CN Beflavine

CN Benzo[g]pteridine-2,4(3H,10H)-dione, 7,8-dimethyl-10-(D-ribo-2,3,4,5-tetrahydroxypentyl)-

CN C.I. 50900

CN C.I. Food Yellow 15

CN D-Ribitol, 1-deoxy-1-(3,4-dihydro-7,8-dimethyl-2,4-dioxobenzo[g]pteridin-10(2H)-yl)-

CN E 101

CN E 101 (dye)

CN Flavaxin

CN Flavin BB

CN Flaxain

CN Food Yellow 15

CN Hyre

CN Lactobene

CN Lactoflavin

CN Lactoflavine

CN NSC 33298

CN Ribipca

CN Ribocrisina

CN Riboderm

CN Ribosyn

CN Ribotone

CN Ribovel

CN Russupteridine yellow III

CN San Yellow B

CN Vitaflavine

CN Vitamin B2

CN Vitamin G

CN Vitasan B2

FS STEREOSEARCH

DR 130609-39-1, 535950-32-4

MF C17 H20 N4 O6

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);

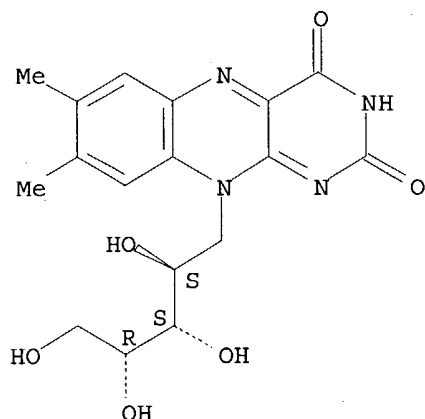
FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

17274 REFERENCES IN FILE CA (1907 TO DATE)
 215 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 17293 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)